

Appl. No.: 10/709,687
Amdt. Dated: 7/4/2006
Reply to Office action of: 04/07/2006

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

What is claimed is:

Claim 1 (currently amended) An advanced automobile window-opening operation device consisting of: an electromechanical set ~~that includes in cooperative combination comprising:~~ an activation switch, and an electronic switching circuitry ~~that can suitable for operating operate on~~ an electrical motor (1) mechanically associated to ~~the vehicle's said automobile~~ window-opening mechanism (6), ~~characterized because the mentioned switch operates on the window opening mechanism (6) by means of the aforementioned electronic switching circuitry, which includes said~~ electronic switching circuitry including a switching board (3) ("Door Switch Node"), provided with communication communicating through a first multi-signal channel (4) or bus to the electronic system of the vehicle said automobile, and connected through another a second multi-signal channel or bus to the a second activation and control board (2) ("Smart Power Windows Motor") of the said electric motor (1) of the window-opening device (6), being these circuits ; all of said circuitry connected to ground through the vehicle's chassis of said automobile (5).

Claim 2 (currently amended) A device, according to claim 1, characterized ~~because the in~~ that said activation switch is unique and multi-position and has two operation modes; ~~one a manual operation mode for low displacement speeds, (6) and another one an automatic operation mode for high speed of displacement speeds, of the said window opening device.~~

Claim 3 (currently amended) A device, according to claim 1, characterized ~~because the described in that said window-opening operation device~~ permits the operation of the window panels of one door from the opposite door by means of ~~the mentioned communication means, through said~~ electronic switching circuitry through said multi-signal channel or bus; communicating with the said vehicle's electronic system of said automobile.

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Claim 4 (currently amended) A device, according to claim 1, characterized ~~because it includes~~ by including a stop anti-catch feature controlled by said activation and control board (2) of said means of the window opening device's (6) electric motor (1)-operation and control board (2).

Claim 5 (currently amended) A device, according to claim 2, characterized ~~because it includes~~ by including a stop anti-catch feature controlled by said activation and control board (2) of said means of the window opening device's (6) electric motor (1)-operation and control board (2).

Claim 6 (currently amended) A device, according to claim 3, characterized ~~because it includes~~ by including a stop anti-catch feature controlled by said activation and control board (2) of said means of the window opening device's (6) electric motor (1)-operation and control board (2).

Claim 7 (currently amended) A device, according to claim 1, characterized ~~because it operates on~~ by including the operation of sunroofs in addition to ~~the vehicle's~~ said door windows of said automobile.

Claim 8 (currently amended) A device, according to claim 2, characterized ~~because it operates on~~ by including the operation of sunroofs in addition to ~~the vehicle's~~ said door windows of said automobile.

Claim 9 (currently amended) A device, according to claim 3, characterized ~~because it operates on~~ by including the operation of sunroofs in addition to ~~the vehicle's~~ said door windows of said automobile.

Claim 10 (currently amended) A device, according to claim 1, characterized ~~because the mentioned in that~~ said activation switch is shaped like a lever switch or joy stick suitable to rotate in manual mode and to move forward and backward when in automatic mode.

Claim 11 (currently amended) A device, according to claim 2, characterized ~~because the mentioned in that~~ said activation switch is shaped like a lever switch or joy stick suitable to rotate in manual mode and to move forward and backward when in automatic mode.

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Claim 12 (currently amended) A device, according to claim 1, characterized ~~because~~
~~the mentioned~~ in that said activation switch is ~~shaped like a lever switch~~ or joy stick suitable
to rotate in manual mode and to move forward and backward when in automatic mode.